

HEAT GENERATING FABRIC

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Abstract of JP11283731

PROBLEM TO BE SOLVED: To provide reliable heat generating fabrics maintaining its performance without troubles over a long period of time. **SOLUTION:** A heat generating part 4 is composed of mock leno weave tissue using heat-resistant non-conductive yarn (1a, 1b) and carbon fiber 2 inserted at required intervals. Electrode parts 6 on both sides of the heat generating part 4 are composed of plain weave tissue where conductive wires 3 are interwoven with the carbon fiber so as to cross the carbon fiber, and buffer parts 5 of the plain weave using heat-resistant non-conductive yarn 1c are formed between the heat generating part 4 and the electrode parts 6. Preferably, side end parts 7 of plain weave using heat-resistant non-conductive yarn 1d are formed outside the electrode parts 6. A flat heater element where plastics films are glued and laminated to the heat generating fabric is widely used for heating and heat-retention in units of face, in various industries such as building, automobile, storage tank/piping, and agriculture.

